

CLAIMS

1. A telecommunications messaging system, comprising:
2 a wireless subscriber unit;
a base station in communication with said wireless subscriber unit; and
4 a mobile switching center for causing said base station to engage in
service negotiation with said wireless subscriber unit, said service negotiation
6 for determining a service configuration for communication between said base
station and said wireless subscriber unit.

2. The system of claim 1 wherein said mobile switching center
2 comprises:
an MSC message processor for analyzing received messages and for
4 determining messages to be generated and transmitted in association with said
service negotiation;
6 an MSC message generator for generating messages under direction
from said message processor, including a first message for causing said base
8 station to engage in said service negotiation with said wireless subscriber unit;
and
10 an MSC transceiver for transmitting and receiving messages associated
with said service negotiation including transmitting said first message to said
12 base station.

3. The system of claim 2 wherein said base station comprises:
2 a BS message processor for analyzing received messages and for
determining messages to be generated and transmitted in association with said
4 service negotiation;
a BS message generator for generating messages under direction from
6 said message processor; and
a BS transceiver for transmitting and receiving messages associated with
8 said service negotiation.

4. The system of claim 3 wherein said wireless subscriber unit
2 comprises:
a SU message processor for analyzing received messages and for
4 determining messages to be generated and transmitted in association with said
service negotiation;

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6 a SU message generator for generating messages under direction from
said message processor; and

8 a SU transceiver for transmitting and receiving messages associated with
said service negotiation.

5. The system of claim 4 wherein said first message is a Change
2 Service Command message.

6. The system of claim 4 wherein said MSC message generator
2 generates said first message in response to said mobile switching center
determining that a new call is arriving for said wireless subscriber unit when
4 said wireless subscriber unit is already in an existing call.

7. The system of claim 6 wherein said first message proposes a new
2 service configuration which accommodates both said existing call and said new
call.

8. The system of claim 1 wherein said wireless subscriber unit, said
2 base station, and said mobile switching center communicate using code division
multiple access (CDMA) modulation techniques.

9. The system of claim 4, further comprising a target base station in
2 communication with said subscriber unit.

10. In a wireless communication system, a method for establishing a
2 new call when an existing call is in progress, comprising the steps of:

delivering a first message from a mobile switching center to a base
4 station for initiating service negotiation;

negotiating a new service configuration by said base station and a
6 subscriber unit, said new service configuration providing for connection of both
said new call and said existing call; and

8 connecting said new call and said existing call using said new service
configuration.

11. The method of claim 10 wherein said step of delivering delivers a
2 Change Service Command message as said first message.

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